

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A connector comprising an insulator to be mounted on one surface of a board, and a conductive contact retained by said insulator, said contact including a terminal portion extending outward from a one-side surface of said insulator so as to be connected to said board,

wherein said terminal portion comprises a first portion extending outward from said one-side surface of said insulator so as to be substantially parallel to said one surface of said board when said insulator is mounted on said one surface of said board, a second portion bent to extend so as to be connected to said board when said insulator is mounted on said one surface of said board, and a third portion joining between said first and second portions in a predetermined position spaced apart from said one-side surface of said insulator,

said second portion is bent using a joining portion between said second and third portions as a fulcrum, and

said third portion is bent using, as a fulcrum, a joining portion between said first and third portions so as to be inclined away from said one surface of said board in a direction from said fulcrum at said joining portion between said first and third portions toward said fulcrum at said joining portion

between said second and third portions when said insulator is mounted on said one surface of said board.

Claim 2 (original): A connector according to claim 1, wherein said second portion is bent perpendicularly relative to said first portion.

Claim 3 (currently amended): A connector comprising an insulator to be mounted on one surface of a board, and a conductive contact retained by said insulator, said contact including a terminal portion extending outward from a one-side surface of said insulator so as to be connected to said board,

wherein said terminal portion comprises a first portion extending outward from said one-side surface of said insulator so as to approach said one surface of said board when said insulator is mounted on said one surface of said board, a second portion bent to extend so as to be connected to said board when said insulator is mounted on said one surface of said board, and a third portion joining between said first and second portions in a predetermined position spaced apart from said one-side surface of said insulator,

said second and third portions are bent using a joining portion between said second and third portions as a fulcrum, and said first and third portions are bent using a joining portion between said first and third portions as a fulcrum, and

said third portion is bent so as to be inclined away from said one surface of said board in a direction from said fulcrum at said joining portion between said first and third portions toward said fulcrum at said joining portion between said second and third portions when said insulator is mounted on said one surface of said board.

Claim 4 (original): A connector according to claim 3, wherein said second portion is bent perpendicularly relative to said first portion.

Claim 5 (original): A connector according to claim 3, wherein said one-side surface of said insulator is formed with a projection in the neighborhood of said first portion on a side near said one surface of said board.

Claim 6 (original): A connector according to claim 3, wherein said one-side surface of said insulator is formed with a cutout in the neighborhood of said first portion on a side near said one surface of said board, said cutout formed by cutting off a portion of said insulator into a circular arc shape in cross section or an inclined surface shape.

Claim 7 (currently amended): A method of producing a connector comprising an insulator to be mounted on one surface of a board, and a conductive contact retained by said insulator,

said contact including a terminal portion extending outward from a one-side surface of said insulator so as to be connected to said board, wherein said terminal portion comprises a first portion extending outward from said one-side surface of said insulator so as to be substantially parallel to said one surface of said board when said insulator is mounted on said one surface of said board, a second portion bent to extend so as to be connected to said board when said insulator is mounted on said one surface of said board, and a third portion joining between said first and second portions, said method comprising the steps of:

bending, after retaining said contact by said insulator, said second portion using a joining portion between said second and third portions as a fulcrum from a shape in which said second and third portions extend in the same direction as said first portion, by the use of a first bending tool so that said second portion is connected to said board; and

bending said third portion at a joining portion between said first and third portions as a fulcrum by the use of a second bending tool so as to be inclined away from said one surface of said board in a direction toward said fulcrum at said joining portion between said second and third portions when said insulator is mounted on said one surface of said board.

Claim 8 (original): A method according to claim 7, wherein said second portion is bent perpendicularly relative to said first portion.

Claim 9 (original): A method according to claim 7, wherein a length dimension of said terminal portion relative to said board is adjusted by moving said fulcrum at said joining portion between said first and third portions in a direction toward said insulator or away from said insulator upon bending said third portion.

Claim 10 (original): A method according to claim 7, wherein said fulcrum at said joining portion between said first and third portions is sandwiched between said second bending tool and a third bending tool in a thickness direction of said terminal portion so as to be clamped upon bending said third portion.

Claim 11 (original): A method according to claim 7, wherein said first bending tool is brought into contact with an inner side, in a bending direction, of said fulcrum at said joining portion between said second and third portions so as to bend it along a curve-shaped portion formed on said first bending tool.

Claim 12 (currently amended): A method of producing a connector comprising an insulator to be mounted on one surface of a board, and a conductive contact retained by said insulator,

said contact including a terminal portion extending outward from a one-side surface of said insulator so as to be connected to said board, wherein said terminal portion comprises a first portion extending outward from said one-side surface of said insulator so as to approach said one surface of said board when said insulator is mounted on said one surface of said board, a second portion bent to extend so as to be connected to said board when said insulator is mounted on said one surface of said board, and a third portion joining between said first and second portions in a predetermined position spaced apart from said one-side surface of said insulator, said method comprising the steps of:

bending, after retaining said contact by said insulator, said second portion using a joining portion between said second and third portions as a fulcrum from a shape in which said second and third portions extend in the same direction as said first portion, by the use of a first bending tool so that said second portion is connected to said board; and

bending a joining portion between said first and third portions by moving said first and third portions, using a second bending tool, such that said first portion is inclined from said one-side surface of said insulator to cause a fulcrum at said joining portion between said first and third portions to approach said one surface of said board, and said third portion ~~extends~~ is inclined away from said one surface of said board in a direction from said joining portion between said first and third portions

toward said joining portion between said second and third portions.

Claim 13 (original): A method according to claim 12, wherein, after bending said second portion using said joining portion between said second and third portions as the fulcrum, said first bending tool is moved away from said one surface of said board while engaging with said joining portion between said second and third portions and using said fulcrum at said joining portion between said first and third portions, and said first and third portions are moved by said second bending tool so that said fulcrum at said joining portion between said first and third portions approaches said one surface of said board, thereby to bend said joining portion between said first and third portions.

Claim 14 (original): A method according to claim 12, wherein said second portion is bent perpendicularly relative to said first portion.

Claim 15 (original): A method according to claim 12, wherein a length dimension of said terminal portion relative to said board is adjusted by moving said fulcrum at said joining portion between said first and third portions in a direction toward said insulator or away from said insulator.

Claim 16 (original): A method according to claim 12, wherein said fulcrum at said joining portion between said first and third portions is sandwiched between said second bending tool and a third bending tool in a thickness direction of said terminal portion so as to be clamped upon bending said joining portion between said first and third portions.

Claim 17 (original): A method according to claim 12, wherein said first bending tool is brought into contact with an inner side, in a bending direction, of said fulcrum at said joining portion between said second and third portions so as to bend it along a curve-shaped portion formed on said first bending tool.

Claim 18 (original): A method according to claim 12, wherein said one-side surface of said insulator is formed with a projection in the neighborhood of said first portion on a side near said one surface of said board, and said first portion is bent along said projection in a direction to approach said board.

Claim 19 (original): A method according to claim 12, wherein said one-side surface of said insulator is formed with a cutout in the neighborhood of said first portion on a side near said one surface of said board, said cutout formed by cutting off a portion of said insulator into a circular arc shape in cross

section or an inclined surface shape, and said first portion is bent along said cutout in a direction to approach said board.